

SERVICE MANUAL

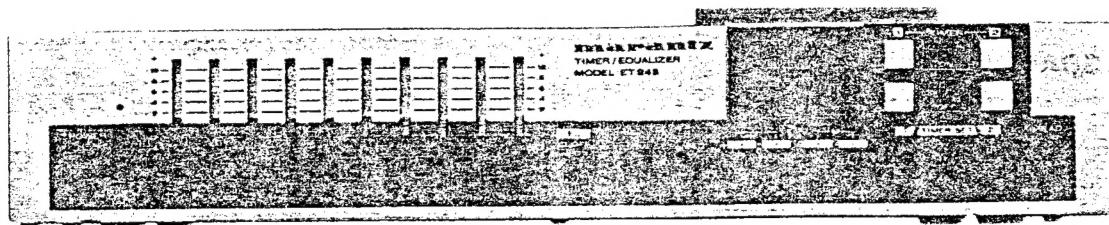
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MARANTZ MODEL ET243 TIMER/EQUALIZER



INTRODUCTION

This service manual was prepared for use by Authorized Warranty Stations and contains service information for the Marantz Model ET243 Timer/Equalizer.

Servicing information and voltage data included in this manual are intended for use by knowledgeable and experienced personnel only. All instructions should be read carefully. No attempt should be made to proceed without a good understanding of circuitry operation.

The parts list furnishes complete ordering information. Most replacement parts should be ordered from the Marantz Company. However, a simple description is included for parts which can be obtained locally.

1. P.W. BOARDS

As can be seen from the circuit diagram the chassis of Model ET243 consists of the following units. Each unit mounted on a printed circuit board is described within the square enclosed by a bold dotted line on the circuit diagram.

1. EQ Volume mounted on P.W. Board PF00
2. Display mounted on P.W. Board PR00
3. Frequency Switch mounted on P.W. Board PS00
4. Power Switch mounted on P.W. Board PT00
5. Main mounted on P.W. Board PU00
6. Input Connector mounted on P.W. Board PW00
7. Output Connector mounted on P.W. Board PW50

2. VOLTAGE CONVERSION

* EUROPEAN MODEL ONLY

To convert the unit to a different power source voltage, change the position as illustrated in the drawing below.

CAUTION

DISCONNECT POWER SUPPLY CORD FROM AC OUTLET BEFORE CONVERTING VOLTAGE.

Voltage Conversion Chart

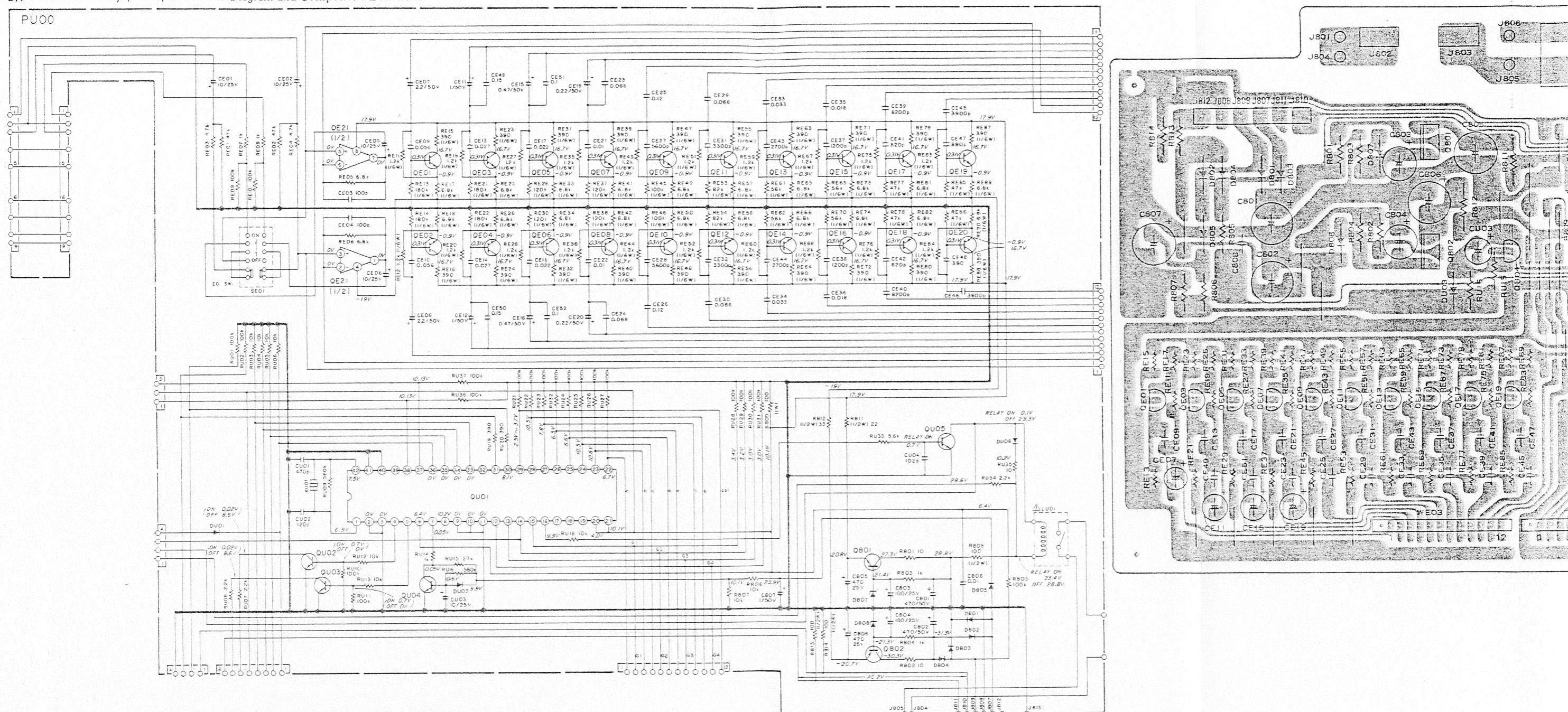


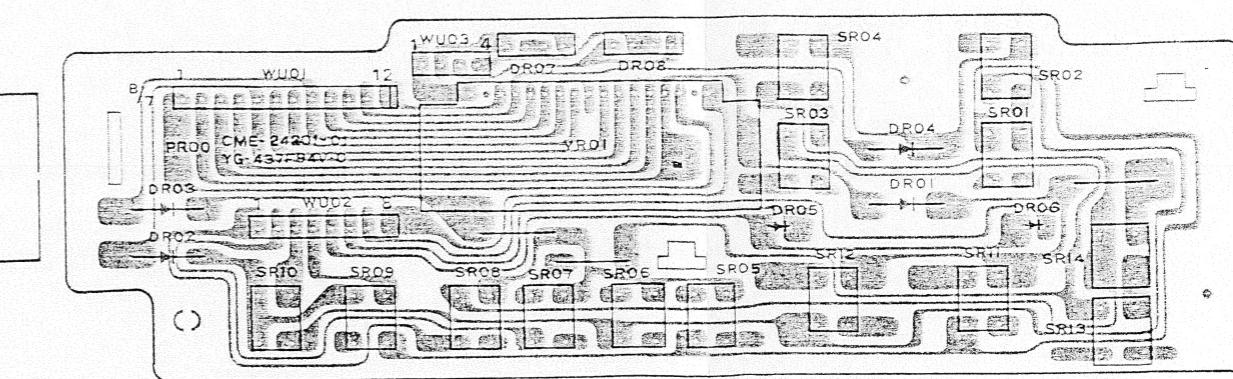
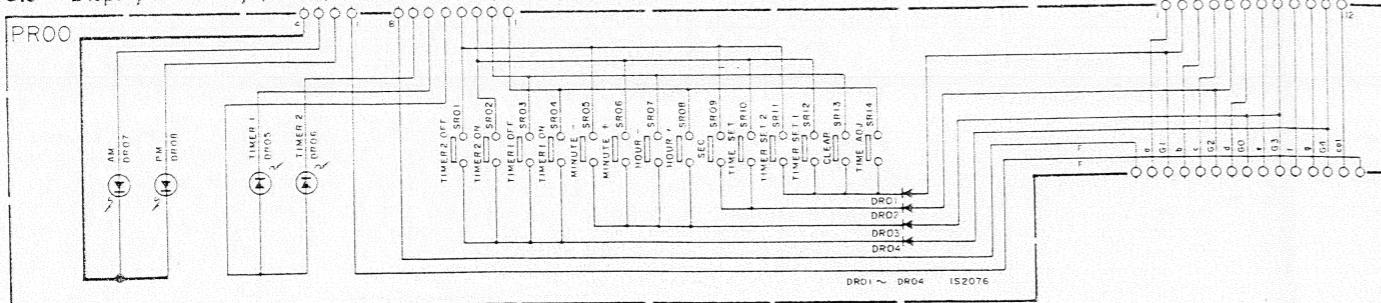
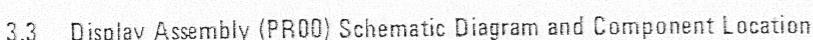
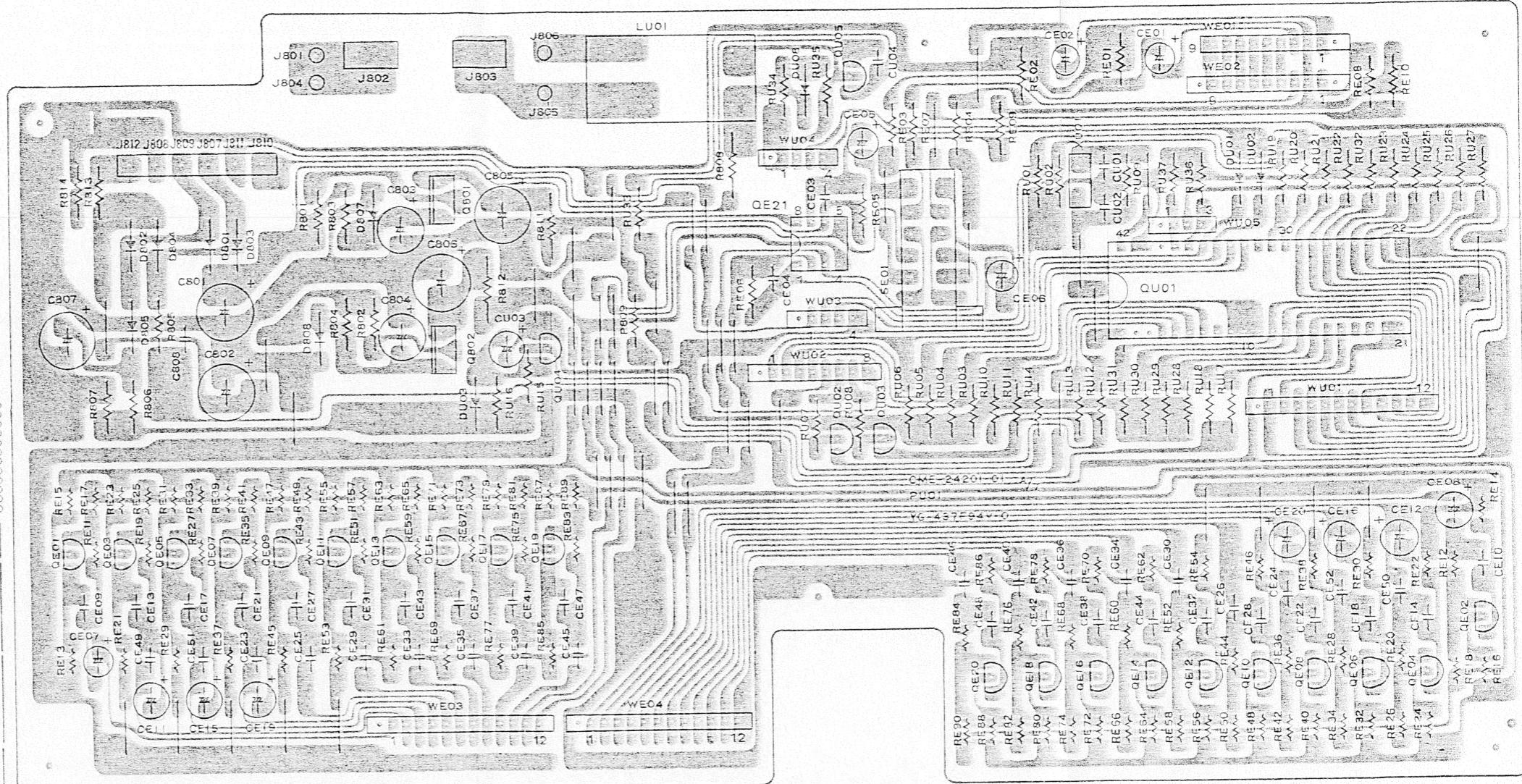
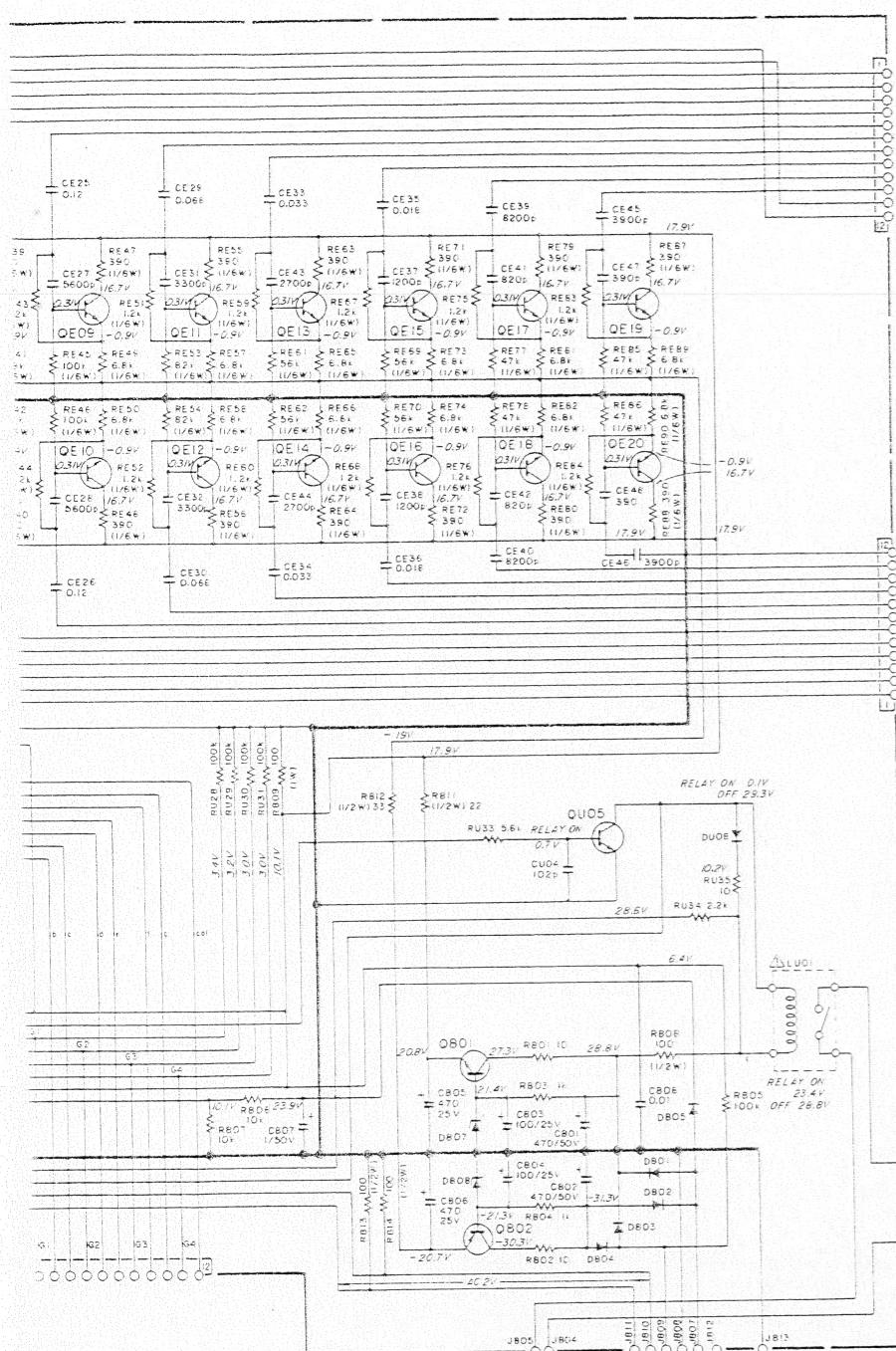
VOLTAGE SELECTOR

Note on safety: Symbol Fire or electrical shock hazard. Only original parts should be used to replace any part marked with symbol . Any other component substitution (other than original type), may increase risk of fire or electrical shock hazard.

3. SCHEMATIC DIAGRAM AND COMPONENT LOCATIONS

3.1 Main Assembly (PU00) Schematic Diagram and Component Locations

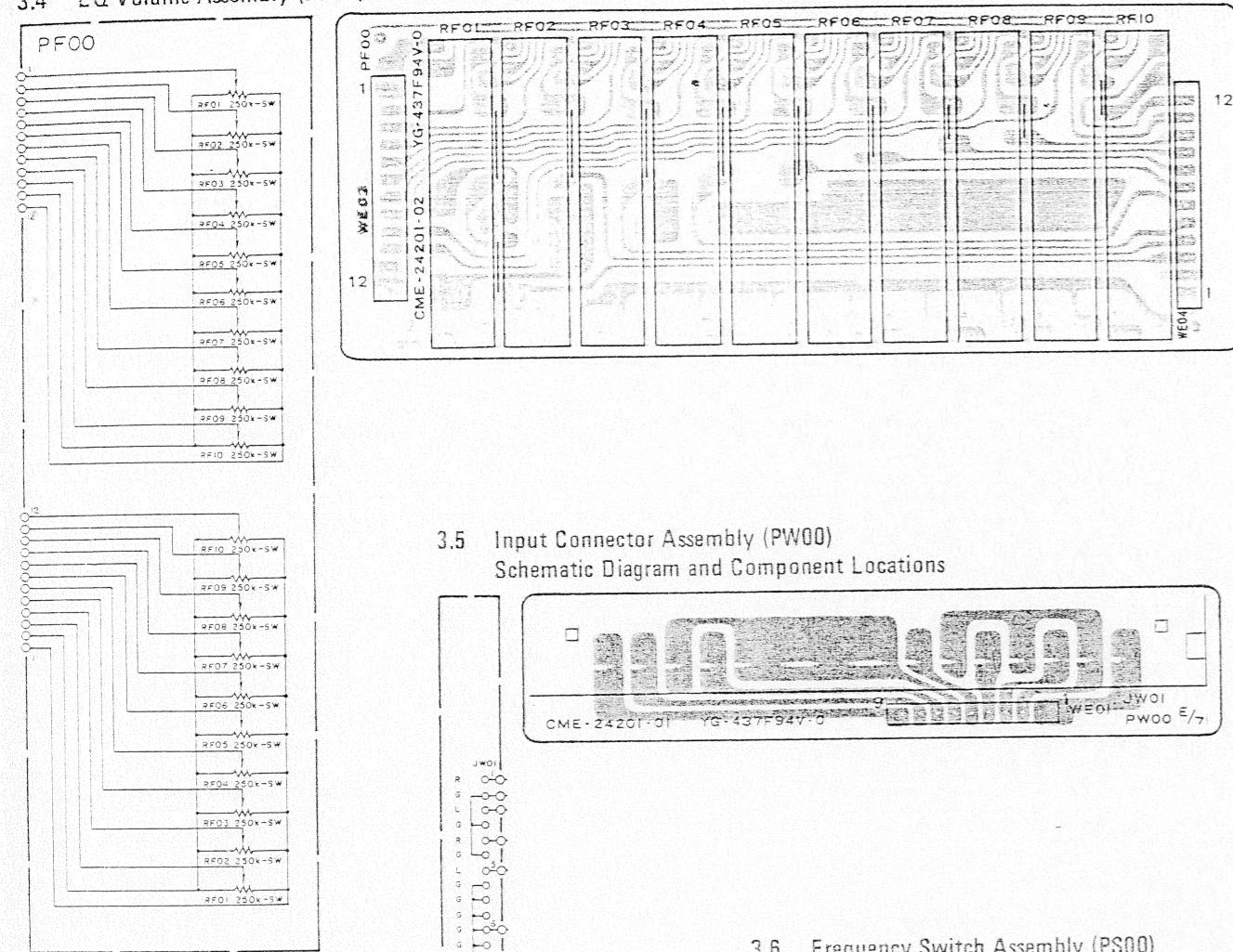




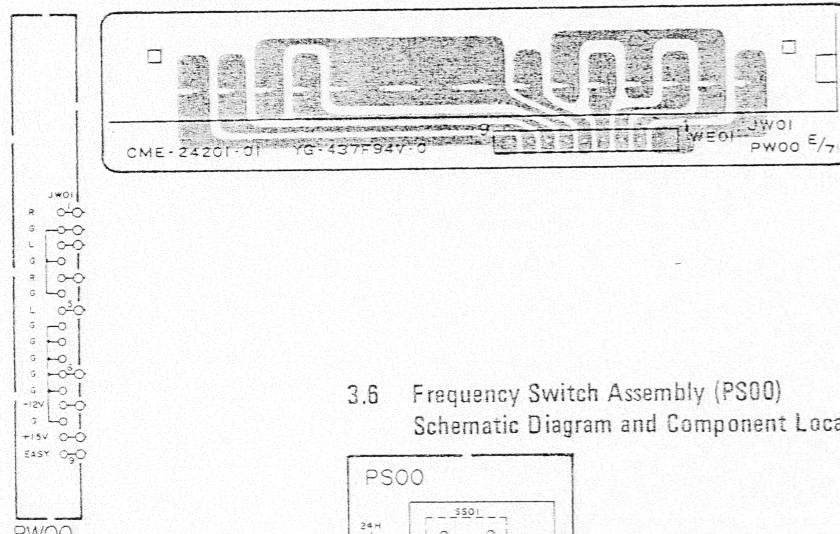
4. EXPLODED VIEW AND PARTS LIST

• [P01-99] Front panel/Chassis and Packing Materials

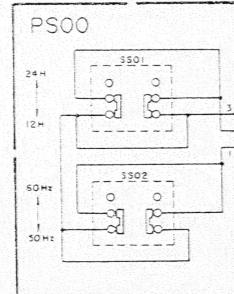
3.4 EO Volume Assembly (PF00) Schematic Diagram and Component Locations



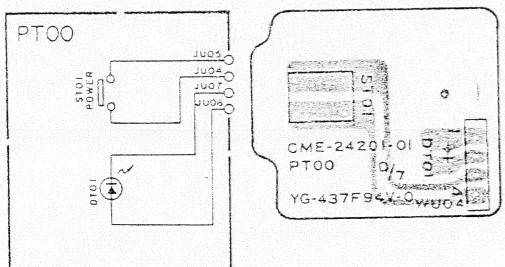
3.5 Input Connector Assembly (PW00) Schematic Diagram and Component Locations



3.6 Frequency Switch Assembly (PS00) Schematic Diagram and Component Locations



3.7 Power Switch Assembly (PT00) Schematic Diagram and Component Locations



This exploded view diagram illustrates the assembly of a packing unit (PACKING). The diagram shows the following components and their part numbers:

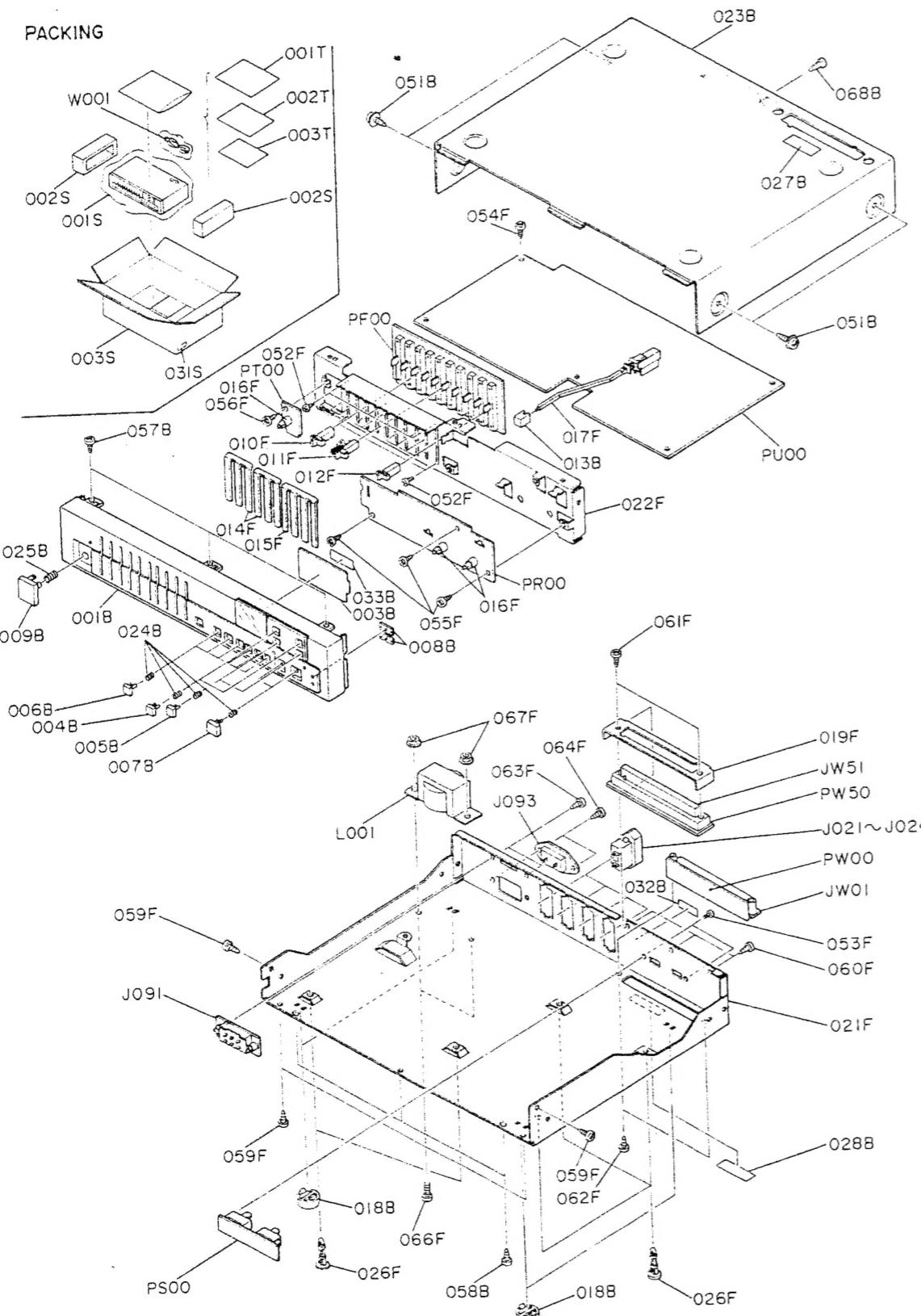
- W001
- 001T
- 002T
- 003T
- 002S
- 001S
- 002S
- 003S
- 031S
- 051B
- 068B
- 0238
- 054F
- 027B
- 051B
- 057B
- PF00
- PT00
- 016F
- 056F
- 010F
- 011F
- 012F
- 014F
- 015F
- 017F
- 013B
- PU00
- 025B
- 001B
- 024B
- 0098
- 006B
- 004B
- 005B
- 007B
- 052F
- 033B
- 003B
- 055F
- 008B
- 016F
- 022F
- PR00
- 061F
- 067F
- 064F
- 063F
- J093
- LO01
- 059F
- J091
- 032B
- 053F
- 060F
- 021F
- 059F
- 018B
- 066F
- 026F
- 058B
- 018B
- 026F
- 028B
- 019F
- JW51
- PW50
- J021~J024
- PW00
- JW01
- PS00

REF. DESIG.	Q'TY			PAF
	N	I	A	
0018	1	1		184Z
0038	1	1		184Z
0048	2	2		184Z
0058	2	2		184Z
0068	6	6		184Z
0078	2	2		184Z
0088	2	2		184Z
0098	1	1		184Z
0138	1	1		162T
0188	4	4		258H
0238	1	1		184Z
0248	12	12		184Z
0258	1	1		184Z
0278	1	1		184Z
0288	1	1		184Z
0328	1	1		2112
0338	1	1		184Z
0518	4	4		5126
0578	3	3		5128
0588	3	3		5128
0688	B	1	1	5128
010F	3	3		184Z
011F	3	3		184Z
012F	4	4		184Z
014F	2	2		184Z
015F	1	1		184Z
016F	3	3		184Z
017F	1	1		258H
019F	1	1		184Z
021F	1	1		184Z
022F	1	1		184Z
026F	5	5		184Z
052F	6	6		510E
053F	2	2		510E
054F	1	1		512E
055F	3	3		512E
056F	1	1		512E
059F	4	4		512E
060F	3	3		512E
061F	2	2		512E
062F	2	2		512E
063F	2	2		512E
064F	2	2		512E
066F	2	2		184Z
067F	2	2		184Z
△J021	1	1		YJ04
△J022	1	1		YJ04
△J023	1	1		YJ04
△J024	1	1		YJ04
△J091	1	1		SS04
△J093	1	1		YPO
△L001	1	1		TS10
JW01	1	1		YP1
JW51	1	1		YJ11

• (N): for Europe
• (A): for Australia

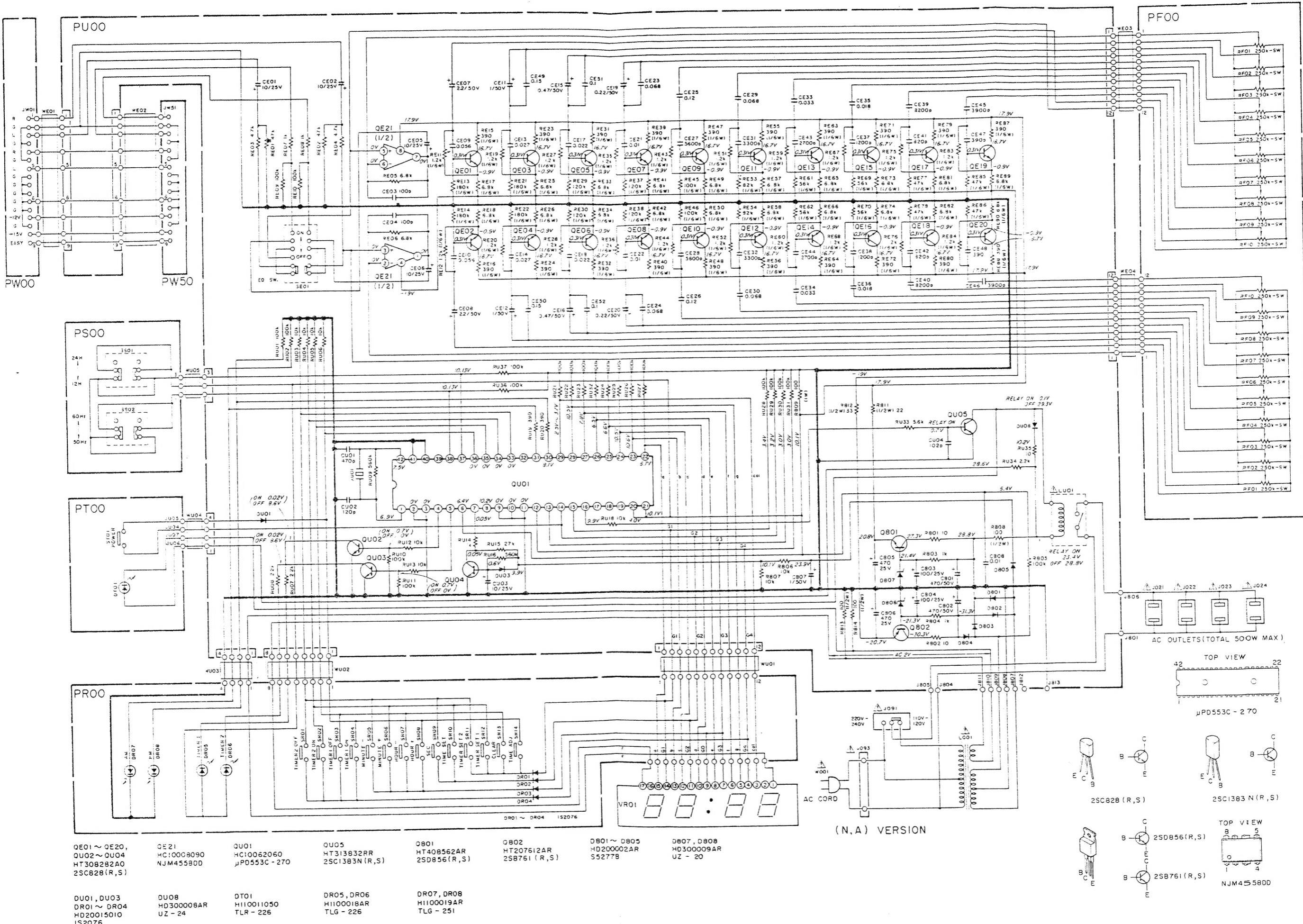
4. EXPLODED VIEW AND PARTS LIST

• [P01-99] Front panel/Chassis and Packing Materials



REF. DESIG.	Q'TY N A	PART NO.	DESCRIPTION
001B	1 1	184Z248500	Front Panel
003B	1 1	184Z265010	Indicator, AM/PM
004B	2 2	184Z270010	Button, Timer ON
005B	2 2	184Z270110	Button, Timer OFF
006B	6 6	184Z270020	Button
007B	2 2	184Z270030	Button, Timer Set 1/2
008B	2 2	184Z270040	Button, Timer Adj/Clear
009B	1 1	184Z270050	Button, Power
013B	1 1	162T270020	Button, EQ
018B	4 4	258H057010	Leg
023B	1 1	184Z257110	Lid, Top Cover
024B	12 12	184Z115010	Spring, Button
025B	1 1	184Z115020	Spring, Power Button
027B	1 1	184Z861020	Label
028B	1 1	184Z861040	Label
032B	1 1	2112265110	Indicator, Serial No. Mask
033B	1 1	184Z303030	Mask
051B	4 4	51260306U0	B.T. Screw B3 x 6
057B	3 3	5128030880	B.H. Tapped Screw B3 x 8
058B	3 3	5128030880	B.H. Tapped Screw B3 x 8
068B	1 1	5128030880	B.H. Tapped Screw B3 x 8
010F	3 3	184Z154010	Knob, 31.5Hz ~ 125Hz
011F	3 3	184Z154020	Knob, 250Hz ~ 1KHz
012F	4 4	184Z154030	Knob, 2KHz ~ 16KHz
014F	2 2	184Z303110	Mask
015F	1 1	184Z303120	Mask
016F	3 3	184Z051020	Guide, LED
017F	1 1	258H121020	Link, EQ Switch
019F	1 1	184Z160010	Bracket, Connector
021F	1 1	184Z105030	Chassis, Main
022F	1 1	184Z105010	Chassis, Sub
026F	5 5	184Z101010	Support, Main P.W. Board
052F	6 6	51060203A0	P.H.M. Screw P2 x 3
053F	2 2	51062604A0	P.H.M. Screw P2.6 x 4
054F	1 1	5128030880	B.H. Tapped Screw B3 x 8
055F	3 3	5128030880	B.H. Tapped Screw B3 x 8
056F	1 1	5128030880	B.H. Tapped Screw B3 x 8
059F	4 4	5128030880	B.H. Tapped Screw B3 x 8
060F	3 3	5128030680	B.H. Tapped Screw B3 x 6
061F	2 2	5128030880	B.H. Tapped Screw B3 x 8
062F	2 2	5128030880	B.H. Tapped Screw B3 x 8
063F	2 2	5128030880	B.H. Tapped Screw B3 x 8
064F	2 2	5128030880	B.H. Tapped Screw B3 x 8
066F	2 2	184Z010010	Screw M3 x 8
067F	2 2	184Z011010	Nut M3
△J021	1 1	YJ040008AR	Jack, AC Outlet
△J022	1 1	YJ040008AR	Jack, AC Outlet
△J023	1 1	YJ040008AR	Jack, AC Outlet
△J024	1 1	YJ040008AR	Jack, AC Outlet
△J091	1 1	SS02020560	Slide Switch, Voltage Selector
△J093	1 1	YP04000610	Plug, AC Inlet
△L001	1 1	TS100033AR	Power Transformer
JW01	1 1	YP10002590	Plug, 16P
JW51	1 1	YJ10002020	Jack, 16P

REF. DESIG.	Q'TY N A	PART NO.	DESCRIPTION
001S	1 1	9014249010	PACKING Polyethylene Bag
002S	2 2	240H809040	Cushion
003S	1 1	184Z801010	Packing Case
031S	1 1	9526019060	Serial No. Card
031S	1 1	9526019030	Serial No. Card
001T	1 1	184Z851310	User Manual
002T	1 1	184Z851320	User Manual, Spec
003T	1 1	9631000090	Guarantee Card
±W001	1 1	ZC01805030	A.C. Power Cord
±W001	1 1	ZC02006030	A.C. Power Cord



NOTE ON SAFETY :

Symbol Fire or electrical shock hazard. Only original parts should be used to replace any part marked with symbol Any other component substitution (other than original

Components and wiring are subject to change for modification without notice.

5. ELECTRICAL PARTS LIST

• (N): for Europe
• (A): for Australia

REF. DESIG.	Q'TY N A		PART NO.	DESCRIPTION
PF00	1	1	YF184Z0010	PF00-EQ VOLUME CIRCUIT BOARD
	1	1	ZZ184Z0010	P.W. Board, EQ Volume P.W. Board Assembly
RF01	10	10	RS025401AR	Variable Resistor 250KΩ(G) x 2
RF10				
WE03	1	1	YU120002AR	Jumper Lead, 12P
WE04	1	1	YU120001AR	Jumper Lead, 12P
PR00	1	1	YH184Z1620	PR00-DISPLAY CIRCUIT BOARD
	1	1	ZZ184Z1620	P.W. Board, Display P.W. Board Assembly
PR00-SEMICONDUCTORS				
DR01	1	1	HD20015010	Diode 1S2076
DR02	1	1	HD20015010	Diode 1S2076
DR03	1	1	HD20015010	Diode 1S2076
DR04	1	1	HD20015010	Diode 1S2076
DR05	1	1	HI100018AR	L.E.D. TLG-226
DR06	1	1	HI100018AR	L.E.D. TLG-226
DR07	1	1	HI100019AR	L.E.D. TLG-251
DR08	1	1	HI100019AR	L.E.D. TLG-251
PR00-MISCELLANEOUS				
SR01	14	14	SP010103AR	Push Switch
SR14				
VR01	1	1	HQ30403410	Display Unit
WU01	1	1	YU120003AR	Jumper Lead, 12P
WU02	1	1	YU08220260	Jumper Lead, 8P
WU03	1	1	YU04200260	Jumper Lead, 4P
PS00-FREQUENCY SWITCH CIRCUIT BOARD				
PS00	1	1	YH184Z1630	P.W. Board, Frequency Switch
	1	1	ZZ184Z1630	P.W. Board Assembly
GS01	1	1	SS02020640	Slide Switch
GS02	1	1	SS02020640	Slide Switch
WU05	1	1	YU03140260	Jumper Lead, 3P
PT00-POWER SWITCH CIRCUIT BOARD				
PT00	1	1	YH184Z1640	P.W. Board, Power Switch
	1	1	ZZ184Z1640	P.W. Board Assembly
DT01	1	1	HI10011050	L.E.D. TLR-226
ST01	1	1	SP010103AR	Push Switch, Power
WU04	1	1	YU04260260	Jumper Lead, 4P

REF. DESIG.	Q'TY N A		PART NO.	DESCRIPTION
PU00	1	1	YH184Z1610	PU00-MAIN CIRCUIT BOARD
	1	1	ZZ184Z1610	P.W. Board, Main P.W. Board Assembly
PU00-CAPACITORS				
CE01	1	1	EA10602510	Elect 10μF 25V
CE02	1	1	EA10602510	Elect 10μF 25V
CE03	1	1	DK16101300	Ceramic 100pF ±10%
CE04	1	1	DK16101300	Ceramic 100pF ±10%
CE05	1	1	EA10602510	Elect 10μF 25V
CE06	1	1	EA10602510	Elect 10μF 25V
CE07	1	1	EA22505010	Elect 2.2μF 50V
CE08	1	1	EA22505010	Elect 2.2μF 50V
CE09	1	1	DF16563300	Film 0.056μF ±10%
CE10	1	1	DF16563300	Film 0.056μF ±10%
CE11	1	1	EA10505010	Elect 1μF 50V
CE12	1	1	EA10505010	Elect 1μF 50V
CE13	1	1	DF16273300	Film 0.027μF ±10%
CE14	1	1	DF16273300	Film 0.027μF ±10%
CE15	1	1	EA47405010	Elect 0.47μF 50V
CE16	1	1	EA47405010	Elect 0.47μF 50V
CE17	1	1	DF16223300	Film 0.022μF ±10%
CE18	1	1	DF16223300	Film 0.022μF ±10%
CE19	1	1	EA22405010	Elect 0.22μF 50V
CE20	1	1	EA22405010	Elect 0.22μF 50V
CE21	1	1	DF16103300	Film 0.01μF ±10%
CE22	1	1	DF16103300	Film 0.01μF ±10%
CE23	1	1	DF16683300	Film 0.068μF ±10%
CE24	1	1	DF16683300	Film 0.068μF ±10%
CE25	1	1	DF16124300	Film 0.12μF ±10%
CE26	1	1	DF16124300	Film 0.12μF ±10%
CE27	1	1	DF16562300	Film 5600pF ±10%
CE28	1	1	DF16562300	Film 5600pF ±10%
CE29	1	1	DF16683300	Film 0.068μF ±10%
CE30	1	1	DF16683300	Film 0.068μF ±10%
CE31	1	1	DF16332300	Film 3300pF ±10%
CE32	1	1	DF16332300	Film 3300pF ±10%
CE33	1	1	DF16333300	Film 0.033μF ±10%
CE34	1	1	DF16333300	Film 0.033μF ±10%
CE35	1	1	DF16183300	Film 0.018μF ±10%
CE36	1	1	DF16183300	Film 0.018μF ±10%
CE37	1	1	DF16122300	Film 1200pF ±10%
CE38	1	1	DF16122300	Film 1200pF ±10%
CE39	1	1	DF16822300	Film 8200pF ±10%
CE40	1	1	DF16822300	Film 8200pF ±10%
CE41	1	1	DK16821300	Ceramic 820pF ±10%
CE42	1	1	DK16821300	Ceramic 820pF ±10%
CE43	1	1	DF16272300	Film 2700pF ±10%
CE44	1	1	DF16272300	Film 2700pF ±10%
CE45	1	1	DF16392300	Film 3900pF ±10%
CE46	1	1	DF16392300	Film 3900pF ±10%
CE47	1	1	DK16391300	Ceramic 390pF ±10%
CE48	1	1	DK16391300	Ceramic 390pF ±10%
CE49	1	1	DF16154300	Film 0.15μF ±10%
CE50	1	1	DF16154300	Film 0.15μF ±10%
CE51	1	1	DF16104300	Film 0.1μF ±10%
CE52	1	1	DF16104300	Film 0.1μF ±10%

- (N): for Europe
- (A): for Australia

REF. DESIG.	Q'TY		PART NO.	DESCRIPTION			REF. DESIG.	Q'TY		PART NO.	DESCRIPTION		
	N	A						N	A				
CU01	1	1	DK16471300	Ceramic	470pF	±10%	RE41	1	1	GD05682160	6.8KΩ	1/6W	
CU02	1	1	DK16121300	Ceramic	120pF	±10%	RE42	1	1	GD05682160	6.8KΩ	1/6W	
CU03	1	1	EA10602510	Elect	10μF		RE43	1	1	GD05122160	1.2KΩ	1/6W	
CU04	1	1	DK16101300	Ceramic	100pF	±10%	RE44	1	1	GD05122160	1.2KΩ	1/6W	
C801	1	1	EA47705030	Elect	470μF	50V	RE45	1	1	GD05104160	100KΩ	1/6W	
C802	1	1	EA47705030	Elect	470μF	50V	RE46	1	1	GD05104160	100KΩ	1/6W	
C803	1	1	EA10702510	Elect	100μF	25V	RE47	1	1	GD05391160	390Ω	1/6W	
C804	1	1	EA10702510	Elect	100μF	25V	RE48	1	1	GD05391160	390Ω	1/6W	
C805	1	1	EA47702510	Elect	470μF	25V	RE49	1	1	GD05682160	6.8KΩ	1/6W	
C806	1	1	EA47702510	Elect	470μF	25V	RE50	1	1	GD05682160	6.8KΩ	1/6W	
C807	1	1	EA10505010	Elect	1μF	50V	RE51	1	1	GD05122160	1.2KΩ	1/6W	
C808	1	1	DK17103300	Ceramic	0.01μF	±20%	RE52	1	1	GD05122160	1.2KΩ	1/6W	
PU00-RESISTORS (All Resistors are ±5% and 1/6W)													
RE01	1	1	GD05473140		47KΩ		RE53	1	1	GD05823160	82KΩ	1/6W	
RE02	1	1	GD05473140		47KΩ		RE54	1	1	GD05823160	82KΩ	1/6W	
RE03	1	1	GD05472140		4.7KΩ		RE55	1	1	GD05391160	390Ω	1/6W	
RE04	1	1	GD05472140		4.7KΩ		RE56	1	1	GD05391160	390Ω	1/6W	
RE05	1	1	GD05682140		6.8KΩ		RE57	1	1	GD05682160	6.8KΩ	1/6W	
RE06	1	1	GD05682140		6.8KΩ		RE58	1	1	GD05682160	6.8KΩ	1/6W	
RE07	1	1	GD05102140		1KΩ		RE59	1	1	GD05122160	1.2KΩ	1/6W	
RE08	1	1	GD05102140		1KΩ		RE60	1	1	GD05122160	1.2KΩ	1/6W	
RE09	1	1	GD05104140		100KΩ		RE61	1	1	GD05563160	56KΩ	1/6W	
RE10	1	1	GD05104140		100KΩ		RE62	1	1	GD05563160	56KΩ	1/6W	
RE11	1	1	GD05122160		1.2KΩ	1/6W	RE63	1	1	GD05391160	390Ω	1/6W	
RE12	1	1	GD05122160		1.2KΩ	1/6W	RE64	1	1	GD05391160	390Ω	1/6W	
RE13	1	1	GD05184160		180KΩ	1/6W	RE65	1	1	GD05682160	6.8KΩ	1/6W	
RE14	1	1	GD05184160		180KΩ	1/6W	RE66	1	1	GD05682160	6.8KΩ	1/6W	
RE15	1	1	GD05391160		390Ω	1/6W	RE67	1	1	GD05122160	1.2KΩ	1/6W	
RE16	1	1	GD05391160		390Ω	1/6W	RE68	1	1	GD05122160	1.2KΩ	1/6W	
RE17	1	1	GD05682160		6.8KΩ	1/6W	RE69	1	1	GD05563160	56KΩ	1/6W	
RE18	1	1	GD05682160		6.8KΩ	1/6W	RE70	1	1	GD05563160	56KΩ	1/6W	
RE19	1	1	GD05122160		1.2KΩ	1/6W	RE71	1	1	GD05391160	390Ω	1/6W	
RE20	1	1	GD05122160		1.2KΩ	1/6W	RE72	1	1	GD05391160	390Ω	1/6W	
RE21	1	1	GD05184160		180KΩ	1/6W	RE73	1	1	GD05682160	6.8KΩ	1/6W	
RE22	1	1	GD05184160		180KΩ	1/6W	RE74	1	1	GD05682160	6.8KΩ	1/6W	
RE23	1	1	GD05391160		390Ω	1/6W	RE75	1	1	GD05122160	1.2KΩ	1/6W	
RE24	1	1	GD05391160		390Ω	1/6W	RE76	1	1	GD05122160	1.2KΩ	1/6W	
RE25	1	1	GD05682160		6.8KΩ	1/6W	RE77	1	1	GD05473160	47KΩ	1/6W	
RE26	1	1	GD05682160		6.8KΩ	1/6W	RE78	1	1	GD05473160	47KΩ	1/6W	
RE27	1	1	GD05122160		1.2KΩ	1/6W	RE79	1	1	GD05391160	390Ω	1/6W	
RE28	1	1	GD05122160		1.2KΩ	1/6W	RE80	1	1	GD05391160	390Ω	1/6W	
RE29	1	1	GD05124160		120KΩ	1/6W	RE81	1	1	GD05682160	6.8KΩ	1/6W	
RE30	1	1	GD05124160		120KΩ	1/6W	RE82	1	1	GD05682160	6.8KΩ	1/6W	
RE31	1	1	GD05391160		390Ω	1/6W	RE83	1	1	GD05122160	1.2KΩ	1/6W	
RE32	1	1	GD05391160		390Ω	1/6W	RE84	1	1	GD05122160	1.2KΩ	1/6W	
RE33	1	1	GD05682160		6.8KΩ	1/6W	RE85	1	1	GD05473160	47KΩ	1/6W	
RE34	1	1	GD05682160		6.8KΩ	1/6W	RE86	1	1	GD05473160	47KΩ	1/6W	
RE35	1	1	GD05122160		1.2KΩ	1/6W	RE87	1	1	GD05391160	390Ω	1/6W	
RE36	1	1	GD05122160		1.2KΩ	1/6W	RE88	1	1	GD05391160	390Ω	1/6W	
RE37	1	1	GD05124160		120KΩ	1/6W	RE89	1	1	GD05682160	6.8KΩ	1/6W	
RE38	1	1	GD05124160		120KΩ	1/6W	RE90	1	1	GD05682160	6.8KΩ	1/6W	
RE39	1	1	GD05391160		390Ω	1/6W	RU01	1	1	GD05104140	100KΩ		
RE40	1	1	GD05391160		390Ω	1/6W	RU02	1	1	GD05104140	100KΩ		
							RU03	1	1	GD05103140	10KΩ		
							RU04	1	1	GD05103140	10KΩ		
							RU05	1	1	GD05103140	10KΩ		
							RU06	1	1	GD05103140	10KΩ		
							RU07	1	1	GD05222140	2.2KΩ		
							RU08	1	1	GD05222140	2.2KΩ		
							RU09	1	1	GD05564140	560KΩ		
							RU10	1	1	GD05104140	100KΩ		

• (N): for Europe
• (A): for Australia

REF. DESIG.	Q'TY		PART NO.	DESCRIPTION
	N	A		
RU11	1	1	GD05104140	100KΩ
RU12	1	1	GD05103140	10KΩ
RU13	1	1	GD05103140	10KΩ
RU14	1	1	GD05102140	1KΩ
RU15	1	1	GD05273140	27KΩ
RU16	1	1	GD05564140	560KΩ
RU18	1	1	GD05103140	10KΩ
RU19	1	1	GD05391140	390Ω
RU20	1	1	GD05391140	390Ω
RU21	1	12	GD05104140	100KΩ
RU32				
RU33	1	1	GD05562140	5.6KΩ
RU34	1	1	GD05222140	2.2KΩ
RU35	1	1	GD05100140	10Ω
RU36	1	1	GD05104140	100KΩ
RU37	1	1	GD05104140	100KΩ
RU38	1	1	GD05104140	100KΩ
R801	1	1	GD05100140	10Ω
R802	1	1	GD05100140	10Ω
R803	1	1	GD05102140	1KΩ
R804	1	1	GD05102140	1KΩ
R805	1	1	GD05104140	100KΩ
R806	1	1	GD05103140	10KΩ
R807	1	1	GD05103140	10KΩ
R808	1	1	GD0510112R	100Ω 1/2W
R809	1	1	GJ05101010	100Ω 1W
R811	1	1	GD0522012R	22Ω 1/2W
R812	1	1	GD0533012R	33Ω 1/2W
R813	1	1	GD0510112R	100Ω 1/2W
R814	1	1	GD0510112R	100Ω 1/2W
				PU00-SEMICONDUCTORS
QE01	1	20	HT308282A0	Transistor 2SC828(R, S)
QE20				
QE21	1	1	HC10008090	IC NJM4558DD
QU01	1	1	HC10062060	IC μPD553C-270
QU02	1	1	HT308282A0	Transistor 2SC828(R, S)
QU03	1	1	HT308282A0	Transistor 2SC828(R, S)
QU04	1	1	HT308282A0	Transistor 2SC828(R, S)
QU05	1	1	HT313832RR	Transistor 2SC1383N(R, S)
Q801	1	1	HT408562AR	Transistor 2SD856(R, S)
Q802	1	1	HT207612AR	Transistor 2SB761(R, S)
DU01	1	1	HD20015010	Diode 1S2076
DU03	1	1	HD20015010	Diode 1S2076
DU08	1	1	HD300008AR	Zener UZ-24
D801	1	1	HD200002AR	Diode S5277B
D802	1	1	HD200002AR	Diode S5277B
D803	1	1	HD200002AR	Diode S5277B
D804	1	1	HD200002AR	Diode S5277B
D805	1	1	HD200002AR	Diode S5277B
D807	1	1	HD300009AR	Zener UZ-20
D808	1	1	HD300009AR	Zener UZ-20

REF. DESIG.	Q'TY		PART NO.	DESCRIPTION
	N	A		
WE01	1	1	YJ06002470	PU00-MISCELLANEOUS
WE02	1	1	YJ06002470	Jack, 9P
WE03	1	1	YJ06002280	Jack, 12P
WE04	1	1	YJ06002280	Jack, 12P
WU01	1	1	YJ06002280	Jack, 12P
WU02	1	1	YJ06002270	Jack, 8P
WU03	1	1	YJ06002440	Jack, 4P
WU04	1	1	YJ06002440	Jack, 4P
WU05	1	1	YJ06002430	Jack, 3P
J813	1	1	YL01010110	Terminal, Earth
△LU01	1	1	LY124001AR	Relay, 14V
SE01	1	1	SP040102AR	Push Switch, EQ
XU01	1	1	EQ0400301R	Ceramic Vibrator, 400kHz
PW00	1	1	YH184Z1650	PW00-INPUT CONNECTOR
	1	1	ZZ184Z1650	CIRCUIT BOARD
				P.W. Board, Input Connector
				P.W. Board Assembly
JW01	1	1	YP10002590	Plug, 16P
WE01	1	1	YU090001AR	Jumper Lead, 9P
				PW50-OUTPUT CONNECTOR
				CIRCUIT BOARD
PW50	1	1	YH184Z1660	P.W. Board, Output Connector
	1	1	ZZ184Z1660	P.W. Board Assembly
JW51	1	1	YJ10002020	Jack, 16P
WE02	1	1	YU090002AR	Jumper Lead, 9P

(W01-99)	Assembly and Wiring
(T01-99)	Adjustment
(X01-00)	Correction

NOTE ON SAFETY:

Symbol △ Fire or electrical shock hazard. Only original parts should be used to replace any part marked with symbol △. Any other component substitution (other than original type), may increase risk of fire or electrical shock hazard.

6. TECHNICAL SPECIFICATIONS

AUDIO SECTION

RATED OUTPUT	150 mV
TOTAL HARMONIC DISTORTION AT RATED OUTPUT, 20 Hz TO 20 kHz	0.005%
I.M. DISTORTION AT RATED OUTPUT (250 Hz AND 8 kHz MIXED, AMPLITUDE RATIO 4:1)	0.005%
Sensitivity for Rated Output	150 mV
Frequency Response (± 1 dB)	20 Hz ~ 40 kHz
Signal-to-Noise Ratio	95 dB
Channel Balance	± 1 dB
Inter Channel Crosstalk (1 kHz)	60 dB
Output Voltage (1 kHz)	3V
Input Impedance (1 kHz)	47 kohms
Output Impedance (1 kHz)	
LINE OUT	600 ohms
EQ Action for each channel (31.5 Hz, 63 Hz, 125 Hz, 250 Hz, 500 Hz, 1 kHz, 2 kHz, 4 kHz, 8 kHz, 16 kHz)	± 12 dB

GENERAL

Power Requirement	AC 110-120V/220-240V, 50/60 Hz
Power Consumption	12W
Digital Display	4 digits fluorescent tube
Time Indication Accuracy	Depends on AC mains frequency
Outlet Rating	Total 500W Max.
Dimensions (W x H x D)	320 x 55 x 260 mm
Weight	2.5 kg

Specifications and appearance are subject to change for modification without notice.

MARANTZ DESIGN AND SERVICE

Using superior design and selected high grade components, MARANTZ company has created the ultimate in stereo sound. Only original MARANTZ parts can insure that your MARANTZ product will continue to perform to the specifications for which it is famous.

Parts for your MARANTZ equipment are generally available to our National Marantz Subsidiary or Agent.

ORDERING PARTS:

Parts can be ordered either by mail or by telex. In both cases, MARANTZ part number has to be specified. If you order by mail, fulfil MARANTZ order forms.

MARANTZ S.A.
EUROPEAN PARTS DEPARTMENT
2, Avenue Léopold III
B-7120 PERONNES-lez-BINCHE
BELGIUM
TWX: 57589 SEPLT B

The following information must be supplied to eliminate delays in processing your order:

1. Complete address
2. Complete part numbers and quantities required
3. Description of parts
4. Model number for which part is required
5. Way of shipment
6. Signature: any order form or telex must be signed otherwise such part order will be considered as null and void.

PARTS ORDERING:

Parts may be ordered from the following addresses:

EUROPE

MARANTZ S.A.
European Parts Department
2, Avenue Léopold III
B-7120 Péronnes-lez-Binche
Belgium
Telex: 57589

MARANTZ S.A.
326 Avenue Louise Bte 32
1050 Bruxelles
Belgium
Telex: 26602

MARANTZ GERMANY G.M.B.H.
Max-Planckstrasse 22
6072 Dreieich 1
Germany
Telex: 4185316

MARANTZ DENMARK
Bregnerødevej 132b
3460 Birkerød
Denmark
Telex: 39137

MARANTZ FRANCE
4 Rue Bernard Palissy
92600 Asnières
France
Telex: 611651

MARANTZ AUDIO U.K. LTD.
Unit 15/16
Saxon Way Industrial Estate
Moor Lane
Harmondsworth UB7 0LW
Great Britain
Telex: 935196

MARANTZ BELGIUM
45 Rue Auguste Van Zande
1080 Brussels
Belgium

MARANTZ SVENSKA A.B.
Svärtviksvägen 56
Tråneberg Bromma
Sweden
Telex: 13449

MARANTZ NEDERLAND B.V.
Wagenmakersweg 3
3449 HV Woerden
Netherlands

MARANTZ ITALIANA S.p.A.
Via Monte Napoleone, 10
20121 Milano
Italia

MARANTZ AUSTRIA Ge.M.B.H.
25 Franz Lisztagasse
2380 Perchtoldsdorf
Austria
Telex: 113583

AUSTRALIA

MARANTZ AUSTRALIA PTY., LTD.
19 Chard Road
Brookvale, NSW 2100
Australia
Telex: 24121

All of the above locations are fully equipped to take care of your total service needs. Because various countries have differing configuration requirements, it is necessary that you contact the service facility in your particular country. In the event that there is no service location listed for your country, please, contact the nearest facility for the necessary assistance.

In case of difficulties, do not hesitate to contact the Technical Department at abovementioned address.

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